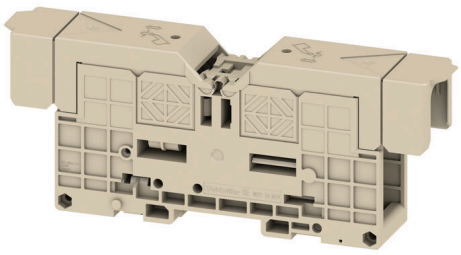
Data sheet

WFF 70 NFF

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 70 mm², Threaded stud connection, Direct mounting, TS 35
Order No.	1049230000
Type	WFF 70 NFF
GTIN (EAN)	4050118255171
Qty.	5 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	61 mm	Depth (inches)	2.4016 inch
Height	132 mm	Height (inches)	5.1968 inch
Width	32 mm	Width (inches)	1.2598 inch
Net weight	191.1 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

End cover plate required	No	Number of potentials	1
Number of levels	1	Number of clamping points per level	2
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35		

Additional technical data

Open sides	closed	Installation advice	Direct mounting, TS 35
Explosion-tested version	No		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	2.5...95 mm²	Cable lug to DIN 46235	16...70 mm²
Wire connection cross section AWG, max.	AWG 3/0	Connection direction	on side
Tightening torque, max.	18 Nm	Tightening torque, min.	15 Nm
Type of connection	Threaded stud connection	Number of connections	2
Clamping range, max.	95 mm²	Clamping range, min.	2.5 mm²
Clamping range, bolted connection , max.	95.00 mm²	Clamping range, bolted connection , min.	2.5 mm²
Wire connection cross section AWG, min.	AWG 14	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²	Wire connection cross-section, finely stranded, max.	95 mm²

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Technical data

Wire connection cross section, finely stranded, min.	2.5 mm²	Connection cross-section, stranded, max.	95 mm²
Connection cross-section, stranded, min.	2.5 mm²	Stud size for spade connection	M 8
Wire connection cross-section, solid core, max.	95 mm²	Wire connection cross-section, solid core, min.	2.5 mm²
Connection cross-section, finely stranded (rated connection), min.	2.5 mm²	2 x cable lugs DIN 46 235	16...70 mm²
2 x cable lugs DIN 46 234	2.5...70 mm²		

General

Wire connection cross section AWG, max.	AWG 3/0	Installation advice	Direct mounting, TS 35
Wire connection cross section AWG, min.	AWG 14	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	70 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	192 A
Current at maximum wires	192 A	Standards	IEC 60947-7-1
Volume resistance	0.17 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	6.14 W		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings